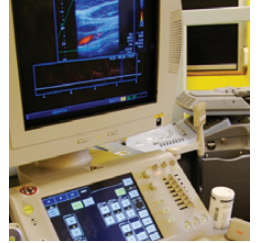
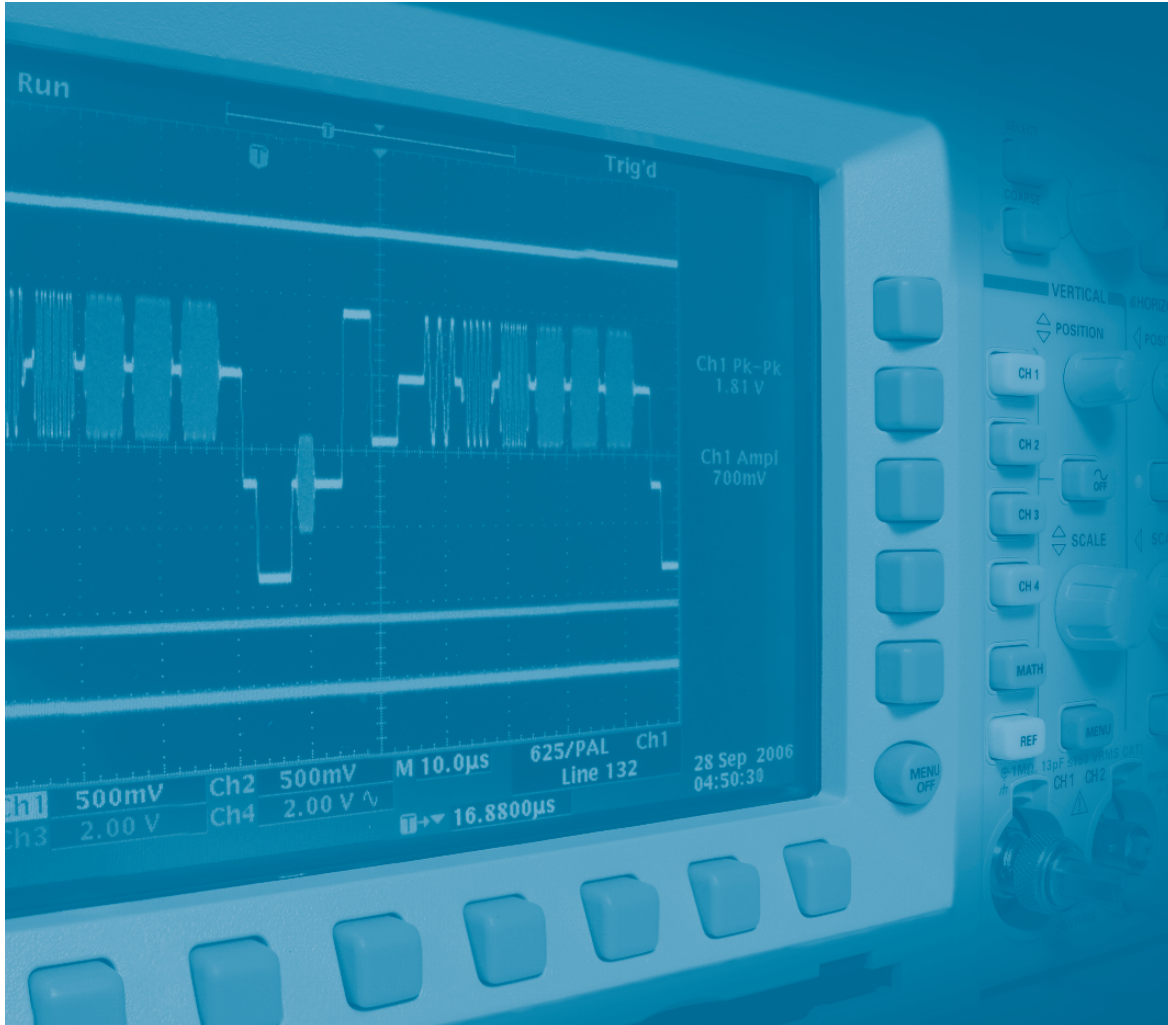


Linear Low Dropout (LDO) Regulator Solutions

High Performance Analog ICs



Introduction

We offer a broad line of high performance low dropout (LDO) linear regulators with fast transient response, excellent line and load regulation, and very wide input voltage range from 0.9V to 100V. Output currents range from 20mA to 10A, with positive, negative and multiple output versions available. Many devices offer output voltage operation $<0.8\text{V}$ and some feature operation as low as 0V, even with a single supply. Most are stable with ceramic output capacitors. LDO regulators can be applied in virtually any application. For the most current product information, please visit our website at www.linear.com.

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Single Output LDO Regulators

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NPN	11
Radiation Hardened (RH)	13

Dual Output LDO Regulators

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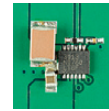
High Voltage PNP Positive Linear Regulators

PNP family features:

- Rugged and Hard to Kill
- Up to $80V_{IN}$ Continuous Operation
- Low Output Voltage Noise
- Extensive Reverse Protection for Harsh Environments such as Automotive, Avionics and Industrial Applications

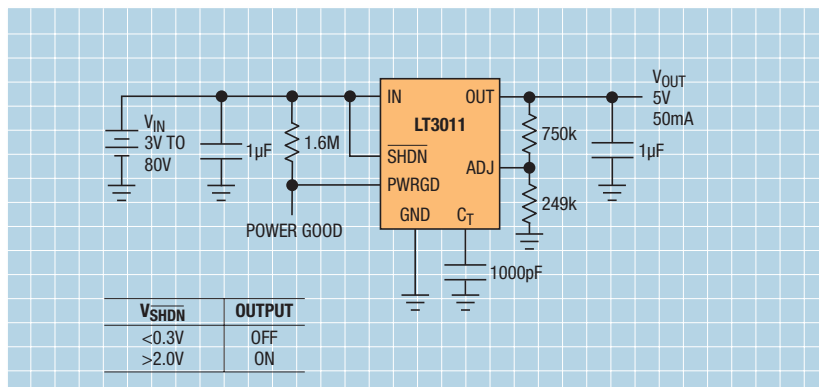


LT3011
Actual Size
Demo Board

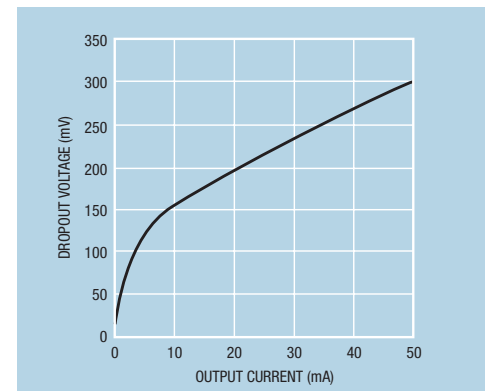


LT3013
Actual Size
Demo Board

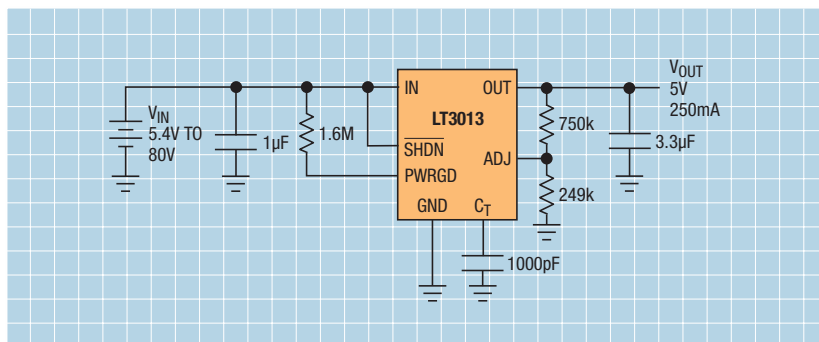
LT[®]3011: 50mA, 3V to 80V Low Dropout Micropower Regulator with PWRGD



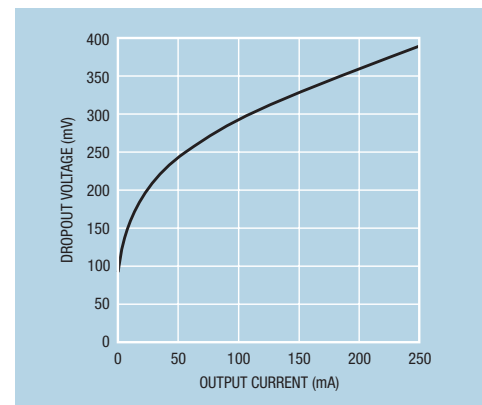
Dropout Voltage



LT3013: 250mA, 4V to 80V Low Dropout Micropower Linear Regulator with PWRGD



Dropout Voltage



Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage ($V@I_{OUT}$)	Typ I_Q (Supply) (μA)	Shutdown Current (μA)	Output Voltage (V)	Noise (μV_{RMS}) or % of V_{OUT}	Package
High Voltage PNP Positive Linear Regulators										
LT3014	0.02	3.0	80	1.22	0.35	7	< 1	Adj (1.22 to 60)	115	TSOT-5, 3x3 DFN-8
LT3014HV	0.02	3.0	100	1.22	0.35	7	< 1	Adj (1.22 to 60)	115	TSOT-5, 3x3 DFN-8
LT3014B	0.02	3.0	80	1.22	0.35	7	N/A	Adj (1.22 to 60)	115	TSOT-5, 3x3 DFN-8
LT3014BHV	0.02	3.0	100	1.22	0.35	7	N/A	Adj (1.22 to 60)	115	TSOT-5, 3x3 DFN-8
LT3010	0.05	3.0	80	1.275	0.30	30	< 1	Adj (1.275 to 60), 5	100	MSOP-8E
LT3010H	0.05	3.0	80	1.275	0.30	30	< 1	Adj (1.275 to 60), 5	100	MSOP-8E
LT3011	0.05	3.0	80	1.24	0.30	45	< 1	Adj (1.24 to 60)	100	MSOP-12E, 3x3 DFN-10
LT3011H	0.05	3.0	80	1.24	0.30	45	< 1	Adj (1.24 to 60)	100	MSOP-12E, 3x3 DFN-10
LT3012H	0.2	4.0	80	1.24	0.40	40	< 1	Adj (1.24 to 60)	100	TSSOP-16E
LT3012/B	0.25	4.0	80	1.24	0.40	40	< 1	Adj (1.24 to 60)	100	TSSOP-16E, 3x4 DFN-12
LT3013H	0.2	4.0	80	1.24	0.40	65	< 1	Adj (1.24 to 60)	100	TSSOP-16E
LT3013/B	0.25	4.0	80	1.24	0.40	65	< 1	Adj (1.24 to 60)	100	TSSOP-16E, 3x4 DFN-12

PNP Positive Linear Regulators

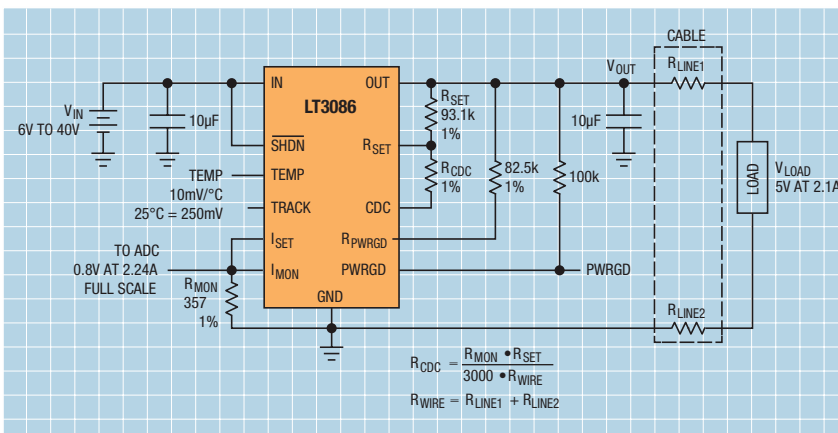
PNP family features:

- Low Output Voltage Noise
- Wide Voltage Range
- Low Dropout Voltage
- Fast Transient Response and Extensive Reverse Protection
- Precision Current Limits

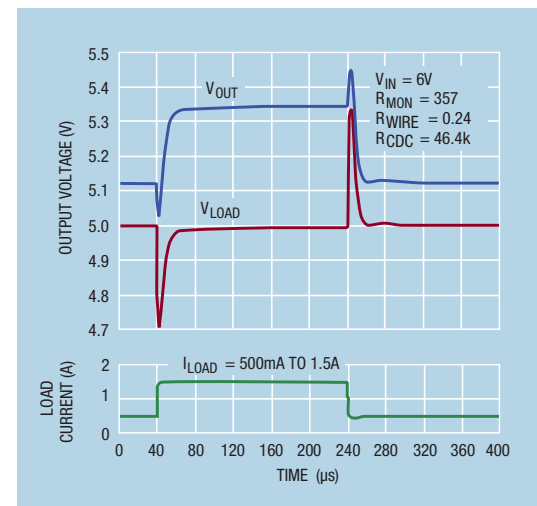


LT3050
Actual Size
Demo Board

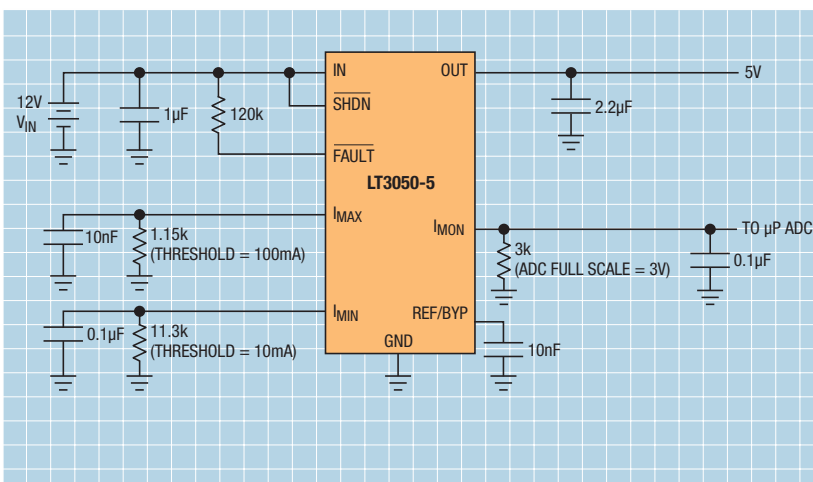
LT3086: 1.5A Rail-to-Rail, Low Dropout PNP Linear Regulator with Monitoring and Cable Drop Compensation



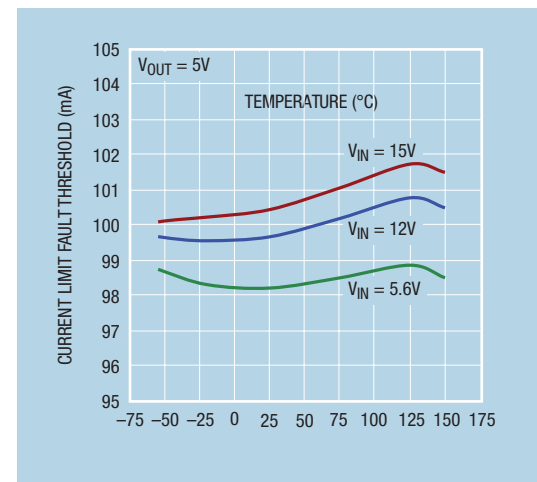
Transient Response with Cable Drop Compensation (CDC)



LT3050: 100mA, Linear Regulator with Precision Current Limit and Diagnostic Outputs



External Current Limit $R_{IMAX} = 1.15k$



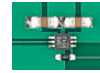
Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage (V_{OUT})	Typ I_Q (Supply) (μ A)	Shutdown Current (μ A)	Output Voltage (V)	Noise (μ V _{RMS}) or % of V_{OUT}	Package
PNP Positive Linear Regulators										
LT1761	0.1	1.8	20	1.22	0.30	20	<1	Adj (1.22 to 19.5), 1.2, 1.5, 1.8, 2, 2.5, 2.8, 3, 3.3, 5	20	TSOT-5
LT3050	0.1	2.0	45	0.60	0.30	50	<1	Adj (0.6 to 44.5), 3.3, 5	30	2x3 DFN-12, MSOP-12E
LT3060	0.1	1.7	45	0.60	0.30	40	<1	Adj (0.6 to 36)	30	2x2 DFN-8, TSOT-8
LT1020	0.125	2.9	36	2.50	0.40	40	40	Adj	—	SO-16, DIP-14
LT1120/A	0.125	2.9	36	2.50	0.40	40	10	Adj	—	SO-8, DIP-8
LT1121/A/HV	0.15	4.2	30/36	3.75	0.42	30	16	Adj (3.75 to 29/35), 3.3, 5	—	SOT-223, SO-8, TO-92
LT1762	0.15	1.8	20	1.22	0.30	25	<1	Adj (1.22 to 19.5), 2.5, 3, 3.3, 5	20	MSOP-8
LT1521	0.3	4.3	20	3.75	0.50	12	6	Adj (3.75 to 19), 3, 3.3, 5	—	SOT-223, SO-8, MSOP-8
LT1579	0.3	2.7	20	1.50	0.40	50	7	Adj (1.5 to 19), 3, 3.3, 5	—	SO-8, SO-16, SSOP-16
LT1962	0.3	1.8	20	1.22	0.27	30	<1	Adj (1.22 to 19.5), 1.5, 1.8, 2.5, 3, 3.3, 5	20	MSOP-8
LT1763	0.5	1.8	20	1.22	0.30	30	<1	Adj (1.22 to 19.5), 1.5, 1.8, 2.5, 3, 3.3, 5	20	3x4 DFN-12, SO-8,
LT1129	0.7	4.2	30	3.75	0.40	50	16	Adj (3.75 to 29.5), 3.3, 5	—	DD-Pak, SOT-223, SO-8, TO-220, TSSOP-20
LT1965	1.1	1.8	20	1.20	0.29	500	<1	Adj (1.2 to 19.5), 1.5, 1.8, 2.5, 3.3	40	3x3 DFN-8, MSOP-8E, DD-Pak, TO-220
LT1963/A*	1.5	2.1	20	1.21	0.34	1mA	<1	Adj (1.21 to 19.5), 1.5, 1.8, 2.5, 3.3	40	TSSOP-16E, DD-Pak, TO-220, SOT-223, SO-8
LT3086‡	2.1	1.65	40	400mV/50 μ A	0.30	1.5mA	<1	Adj (0.4 to 39.5)†	35	TSSOP-16E, 4x5 DFN-16, DD-Pak-7, TO-220-7
LT1528	3	3.9	15	3.30	0.60	400	125	Adj (3.3 to 14)	—	DD-Pak, TO-220
LT1529	3	3.9	15	3.75	0.60	50	16	Adj (3.75 to 14), 3.3, 5	—	DD-Pak, TO-220
LT1764/A*	3	2.7	20	1.21	0.34	1mA	<1	Adj (1.21 to 19.5), 1.5, 1.8, 2.5, 3.3	40	DD-Pak, TO-220, TSSOP-16E

* "A" Versions Are Stable With Ceramic Capacitors † Single-Resistor V_{OUT} Set ‡ Future Product

Micropower PNP Positive Linear Regulators

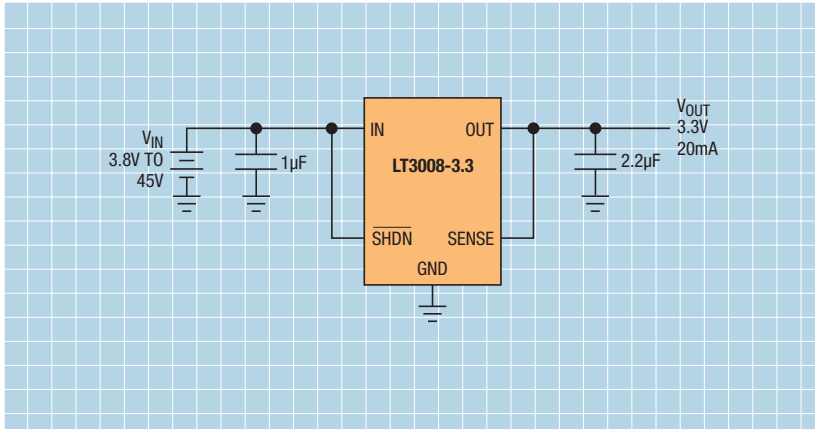
Micropower PNP family features:

- Sub-5 μ A Quiescent Current
- Good Output Noise Performance
- Keep Alive, Real Time Clock and Remote Monitoring Applications

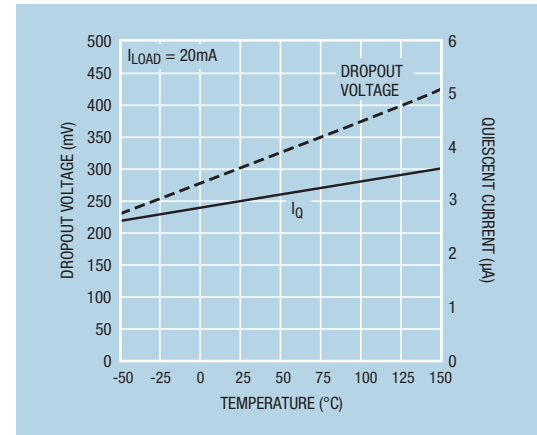


LT3008
Actual Size
Demo Board

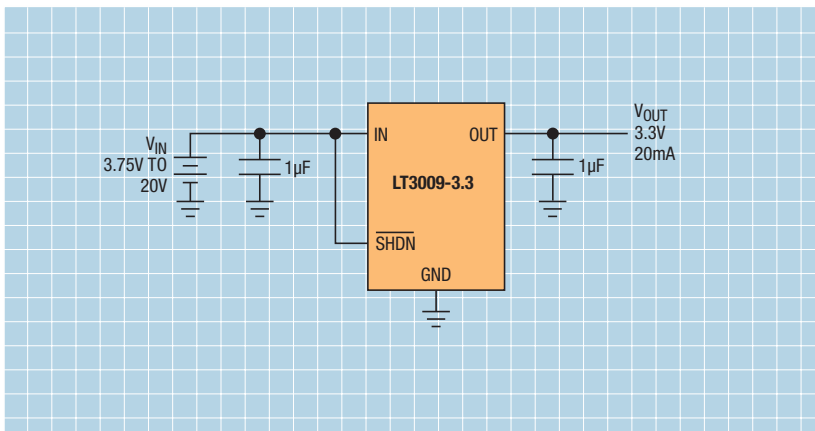
LT3008: 3 μ A I_Q , 20mA, 45V Low Dropout Linear Regulator



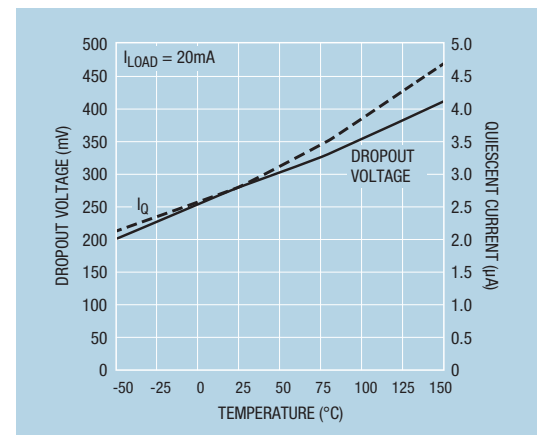
Dropout Voltage/Quiescent Current



LT3009: 3 μ A I_Q , 20mA Low Dropout Linear Regulator



Dropout Voltage/Quiescent Current



Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage ($V@I_{OUT}$)	Typ I_Q (Supply) (μ A)	Shutdown Current (μ A)	Output Voltage (V)	Noise (μV_{RMS}) or % of V_{OUT}	Package
Micropower PNP Positive Linear Regulators										
LT3009	0.02	1.6	20	0.60	0.28	3	<1	Adj (0.6 to 19.5), 1.2, 1.5, 1.8, 2.5, 3.3, 5	150	SC70-8, 2x2 DFN-6
LT3008	0.02	2.0	45	0.60	0.30	3	<1	Adj (0.6 to 44.5), 1.2, 1.5, 1.8, 2.5, 3.3, 5	92	TSOT-8, 2x2 DFN-6

Very Low Dropout (VLDO) Positive Linear Regulators

VLDO™ regulator family features:

- Input Voltage Operation Down to 0.9V
- Output Voltages Down to 0.2V and
- Typical Dropout Performance $\leq 150\text{mV}$
Enabling low V_{IN} -to- V_{OUT} Differential Applications

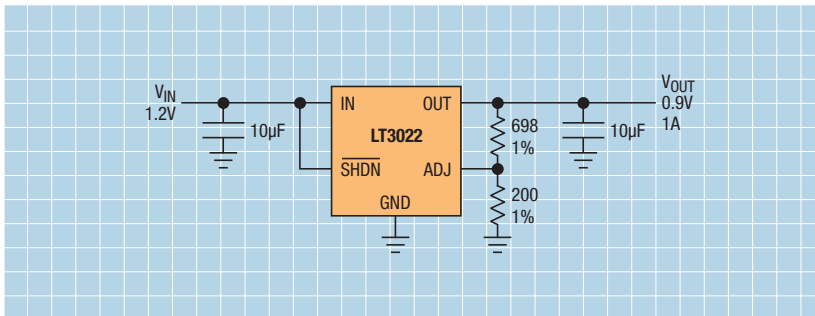


LT3022
Actual Size
Demo Board

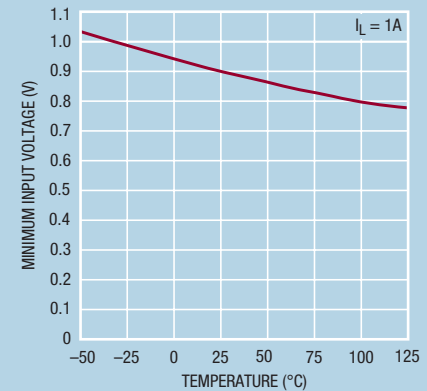


LTC3025
Actual Size
Demo Board

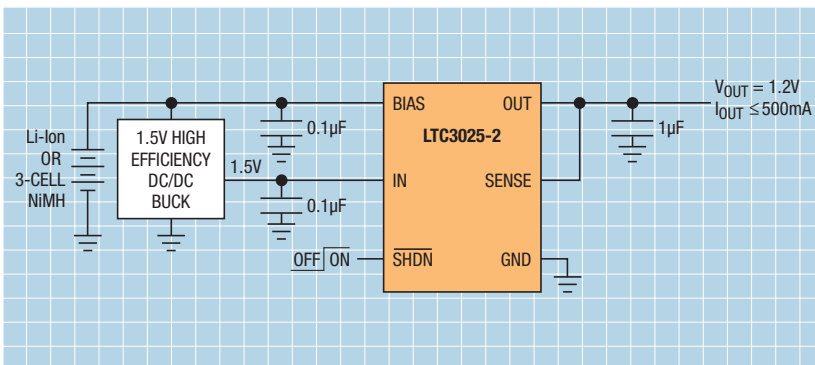
LT3022: 1A, 0.9V to 10V, Very Low Dropout Linear Regulator



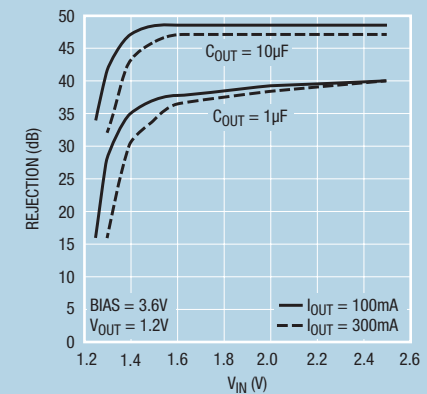
Minimum Input Voltage



LTC®3025-x: 500mA Positive Low Noise LDO Regulator



1MHz V_{IN} Supply Rejection



Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage ($V@I_{\text{OUT}}$)	Typ I_{O} (Supply) (µA)	Shutdown Current (µA)	Output Voltage (V)	Noise (μV_{RMS}) or % of V_{OUT}	Package
VLDO Positive Linear Regulators										
LT3020	0.1	0.9	10	0.20	0.15	120	<3	Adj (0.2 to 9.5), 1.2, 1.5, 1.8	245	MSOP-8, 3x3 DFN-8
LTC1844	0.15	1.6	6.5	1.25	0.11	40	<1	Adj (1.25 to 6), 1.5, 1.8, 2.5, 2.8, 3.3	60	TSOT-5
LTC3025	0.3	0.9	5.5	0.40	0.045	54	<1	Adj (0.4 to 3.6)	80	2x2 DFN-6
LTC3035	0.3	1.7	5.5	0.40	0.05	100	<1	Adj (0.4 to 3.6)	150	2x3 DFN-8
LT3021	0.5	0.9	10	0.20	0.16	120	<3	Adj (0.2 to 9.5), 1.2, 1.5, 1.8	300	5x5 DFN-16, SO-8
LTC3025-x	0.5	0.9	5.50	0.40	0.08	54	<1	Adj (0.4 to 3.6), 1.2, 1.5, 1.8	80	2x2 DFN-6
LT3022	1.0	0.95	10	0.20	0.16	400	7.5	Adj (0.2 to 9.5), 1.2, 1.5, 1.8	165	3x5 DFN-16, TSSOP-16E
LTC3026	1.5	1.14	3.5/5.5	0.40	0.10	400	<1	Adj (0.4 to 2.6)	110* or 210†	3x3 DFN-10, MSOP-10E

* Boost Disabled † Boost Enabled

Single Resistor Set, Current Reference-Based NPN Positive Linear Regulators

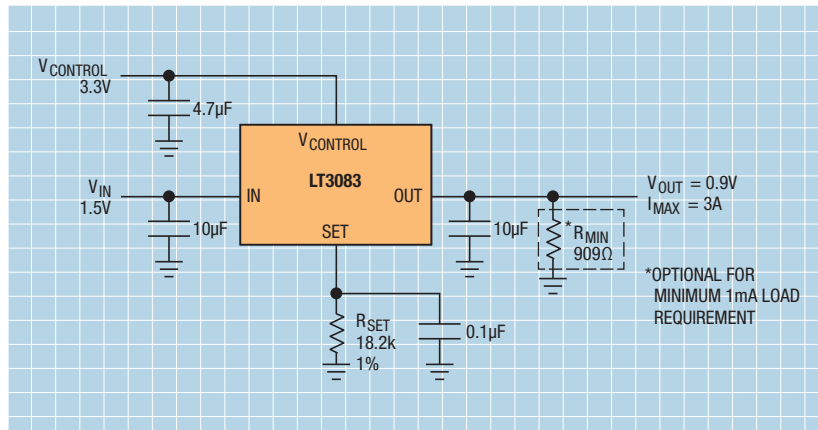
Second generation NPN family features:

- Operation Down to 0V Output
- Direct Paralleling to Spread PCB Heat
- Low Noise and Simplicity with a Single Resistor V_{OUT} Set Capability

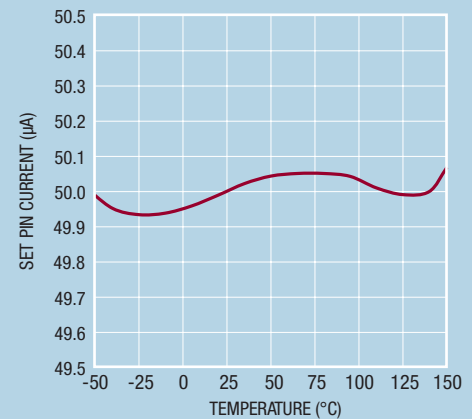


LT3083
Actual Size
Demo Board

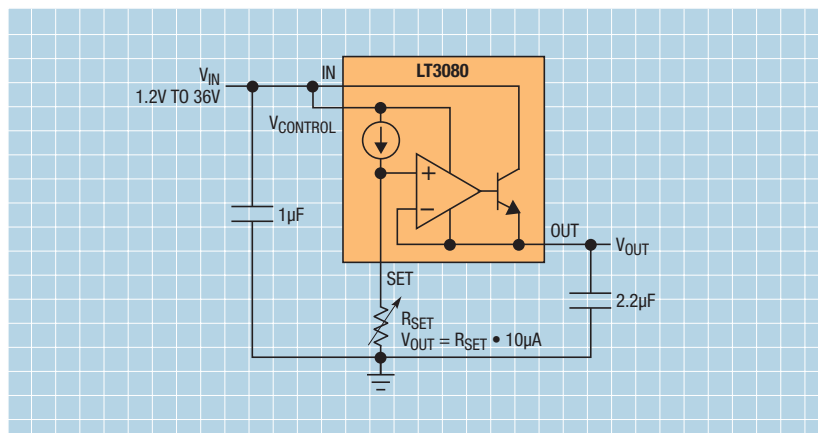
LT3083: Adjustable 3A Single Resistor Low Dropout Regulator



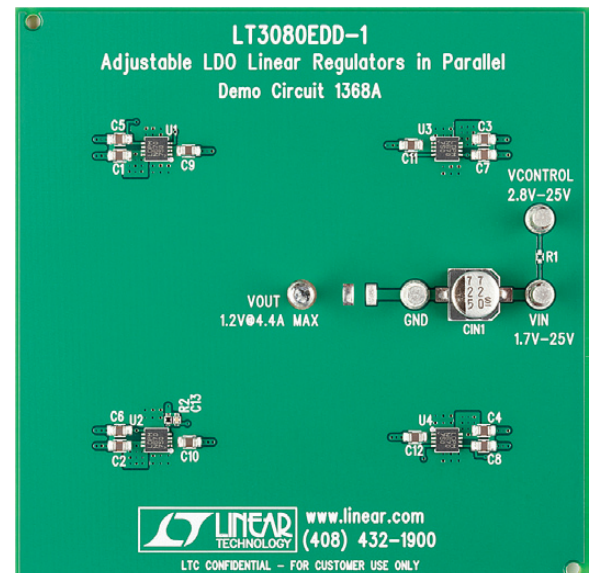
SET Pin Current

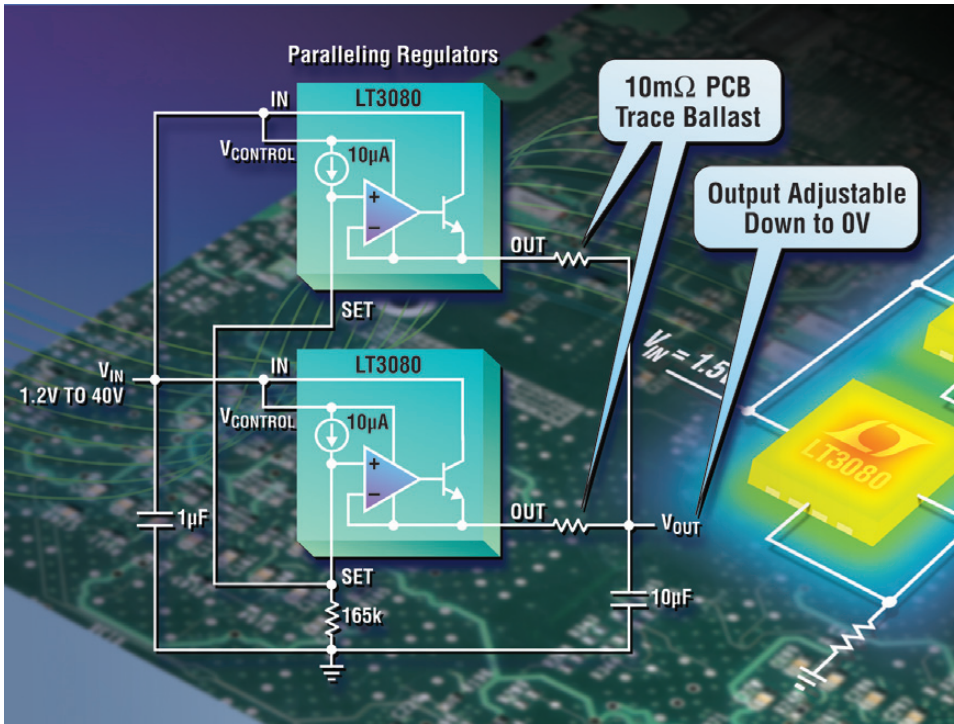


LT3080: Adjustable 1.1A Single Resistor Low Dropout Regulator



LT3080 Actual Size Demo Board





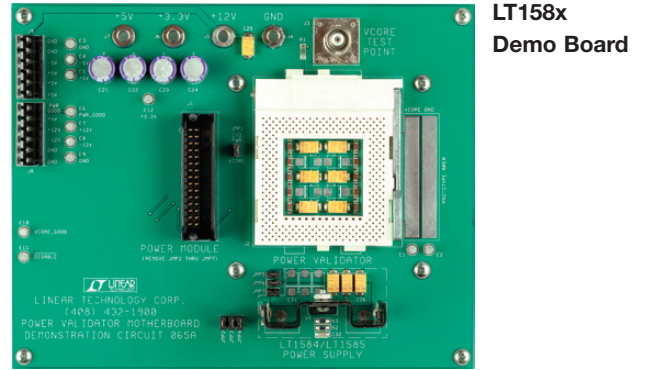
Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Current (μA)	Dropout Voltage ($V@I_{OUT}$)	Typ I_Q (Supply) (μA)	Shutdown Current (μA)	Output Voltage (V)	Noise (μV_{RMS}) w/ C_{SET}	Package
0V Output Capable, Single-Resistor Set, Current Reference-Based NPN Positive Linear Regulators										
LT3082	0.2	1.2	40	10	1.30	500 μA	N/A	Adj (0 to 38.5)	33	3x3 DFN-8, TSOT-23-8, SOT-223
LT3085	0.5	1.2	36	10	0.275 [†]	1mA	N/A	Adj (0 to 35.7)	33	2x3 DFN-6, MSOP-8E
LT3080	1.1	1.2	36	10	0.35 [‡] (1.35, SOT-223)	1mA	N/A	Adj (0 to 35.7)	40	3x3 DFN-8, MSOP-8E, SOT-223, TO-220, DD-Pak-5
LT3080-1*	1.1	1.2	36	10	0.35 [‡]	1mA	N/A	Adj (0 to 35.7)	40	3x3 DFN-8, MSOP-8E
LT3083	3	1.2	8/18 [†]	50	1.45	1mA	N/A	Adj (0 to 7.5 or 0 to 17.5 [†])	40	4x4 DFN-12, TSSOP-16E, TO-220, DD-Pak-5

* Integrated Ballast Resistor † DD-Pak and TO-220 Packages ‡ Dual-Supply Operation

NPN Positive Linear Regulators

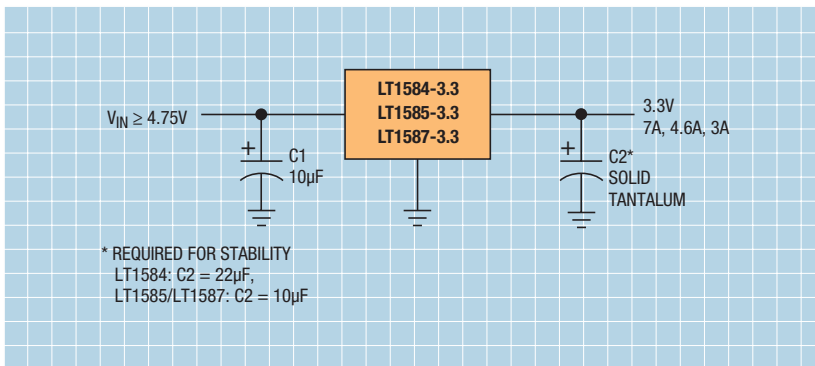
First generation NPN positive linear regulator family:

- Based on Classic 3-Terminal Architecture
- Wide Input Voltage
- Wide Output Voltage

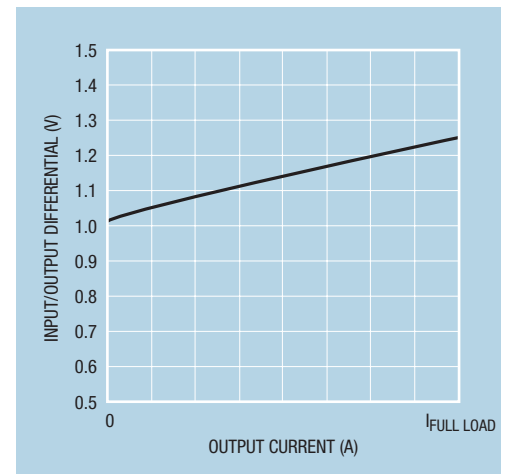


**LT158x
Demo Board**

LT[®]1584/5A/7: Low Dropout Fast Response Positive Regulator Adjustable & Fixed



Dropout Voltage vs Output Current



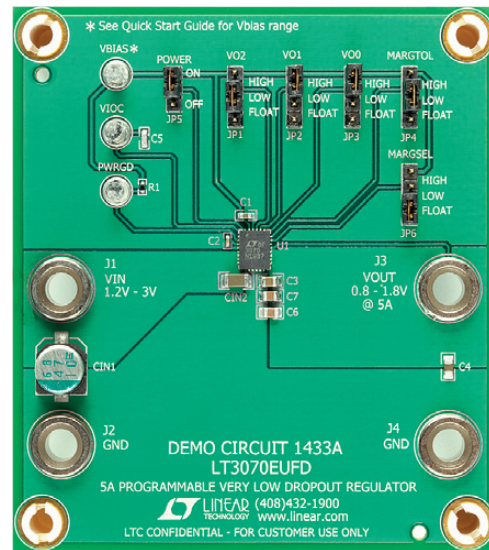
Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage ($V@I_{OUT}$)	Typ I_O (Supply) (mA)	Shutdown Current (μ A)	Output Voltage (V)	Noise (μV_{RMS}) or % of V_{OUT}	Package
NPN Positive Linear Regulators										
LT1117	0.8	2.5	15	1.25	1.20	5	N/A	Adj, 2.85, 3.3, 5	0.003%	DD-Pak, SOT-223
LT1118	-0.4/0.8	3.0	15	1.225	1.00	0.6	<1	Adj, 2.5, 2.85, 5	—	SO-8, SOT-223
LT1086	1.5	2.6	25	1.25	1.30	5	N/A	Adj, 2.85, 3.3, 3.6, 5, 12	0.003%	DD-Pak, TO-220
LT1085	3	2.6	30	1.25	1.30	5	N/A	Adj, 3.3, 3.6, 5, 12	0.003%	DD-Pak, TO-220, TO-3P
LT1587	3	2.7	7	1.25	1.20	8	N/A	Adj, 1.5, 3.3, 3.45, 3.6	0.003%	DD-Pak, TO-220
LT1585	4.6	2.4	7	1.25	1.10	8	N/A	Adj, 1.5, 3.3, 3.38, 3.45, 3.6	0.003%	DD-Pak, TO-220
LT1585A	5	2.5	7	1.25	1.20	8	N/A	Adj, 1.5, 3.3	0.003%	DD-Pak, TO-220
LT1084	5	2.6	30	1.25	1.30	5	N/A	Adj, 3.3, 3.6, 5, 12	0.003%	DD-Pak, TO-220, TO-3P
LT1584	7	2.5	7	1.25	1.25	8	N/A	Adj, 3.3, 3.38, 3.45, 3.6	0.003%	DD-Pak, TO-220
LT1580	7	1.8 [†]	6	1.25	0.54 [†]	10	N/A	Adj, 2.5	—	DD-Pak, TO-220
LT1083	7.5	2.6	30	1.25	1.30	5	N/A	Adj, 3.3, 3.6, 5, 12	0.003%	TO-3P
LT1581	10	1.7 [†]	6	1.25	0.43 [†]	10	N/A	Adj, 2.5	—	TO-220

[†] Dual-Supply Operation

NMOS Positive Linear Regulators for Digital IC Power

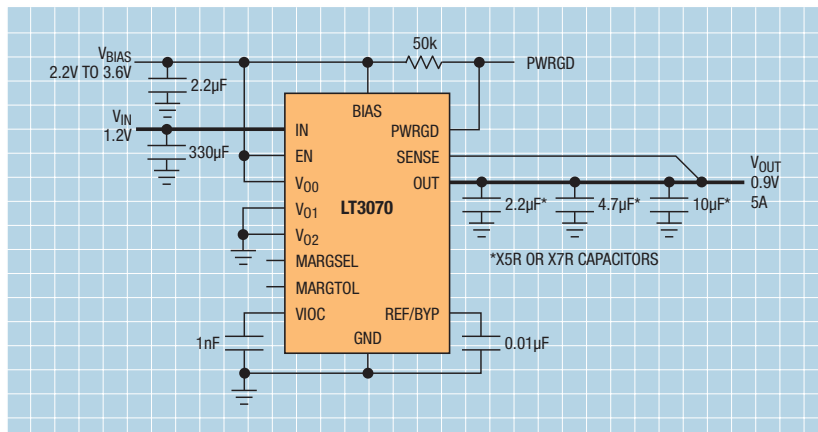
Our family of NMOS positive linear regulators has the performance demanded by modern high current, low voltage digital ICs, including:

- Ultrafast Transient Response
- Very Low Dropout Voltage
- High Output Current
- Low Output Voltage
- Good Power Supply Rejection Ratio (PSRR)

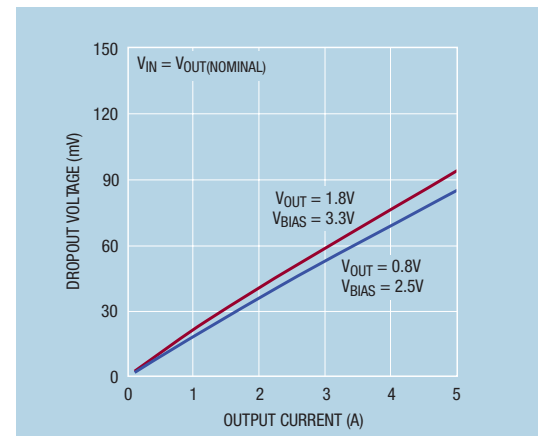


LT3070
Actual Size
Demo Board

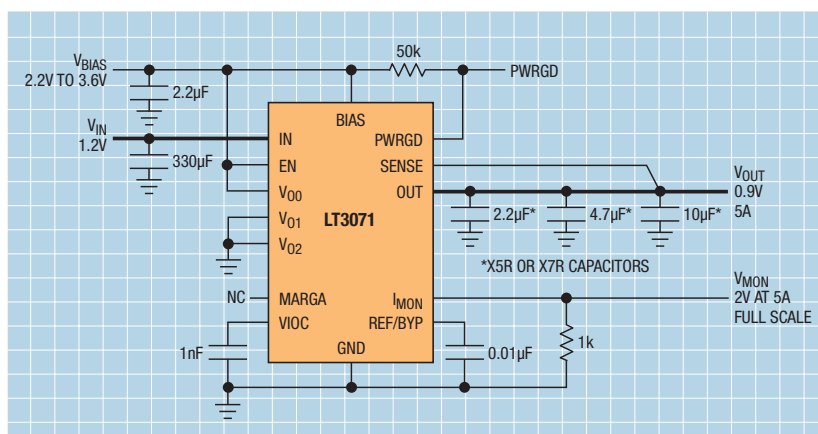
LT3070: 5A, Low Noise, Programmable Output, 85mV Dropout Linear Regulator



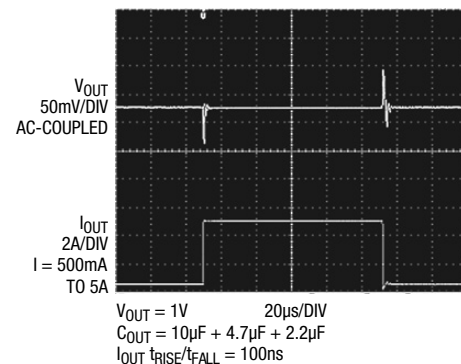
Dropout Voltage



LT3071: 5A, Low Noise, Programmable Output, 85mV Dropout Linear Regulator with Analog Margining



Transient Load Response



Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage (V_{OUT})	Typ I_O (Supply) (μ A)	Shutdown Current (μ A)	Output Voltage (V)	Noise (μ V _{RMS}) or % of V_{OUT}	Package
NMOS Positive Linear Regulators										
LT3070*	5	0.95	3	0.6	0.09	1.1mA	n/a	Adj (0.8 to 1.8)	25	5x4 QFN-28
LT3071†	5	0.95	3	0.6	0.09	1.1mA	n/a	Adj (0.8 to 1.8)	25	5x4 QFN-28

* Digital Margining

† Analog Output Margining

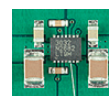
Dual Output PNP Linear Regulators

Dual linear regulator family features:

- Highly Compact Solution
- All the Performance Features of our Single PNP Regulators
- Ideal for Core/Logic Combinations

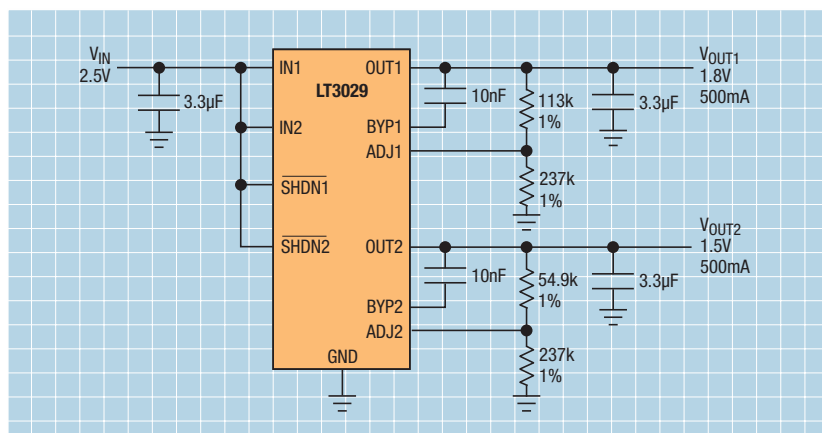


LT3029
Actual Size
Demo Board

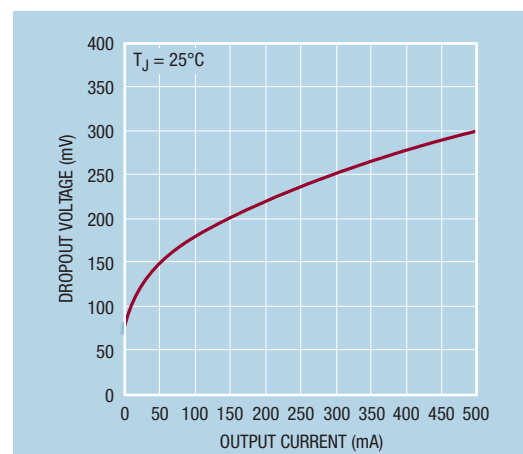


LT3032
Actual Size
Demo Board

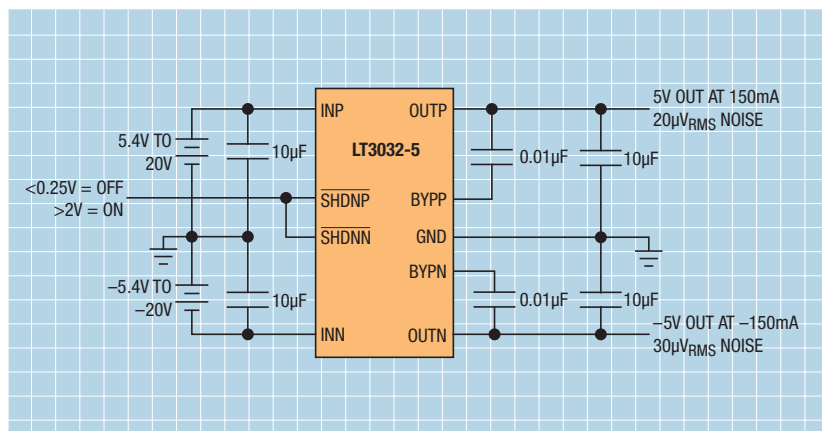
LT3029: Dual 500mA/500mA Low Dropout, Low Noise Regulator



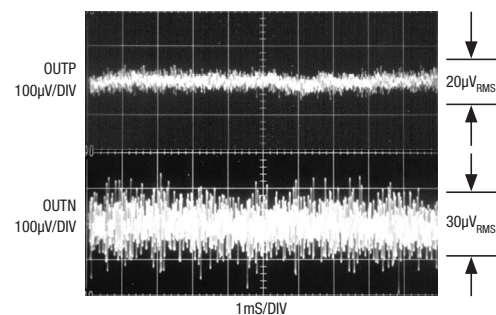
Dropout Voltage vs Load Current



LT3032: Dual 150mA Positive/Negative Low Noise Regulator



10Hz to 100kHz Output Noise

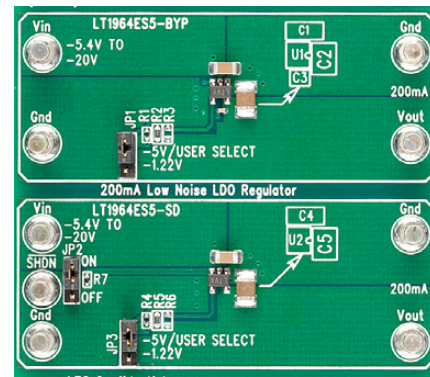


Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage ($V@I_{OUT}$)	Typ I_Q (Supply) (μ A)	Shutdown Current (μ A)	Output Voltage (V)	Noise (μ V _{RMS}) or % of V_{OUT}	Package
Dual Output Positive Linear Regulators										
LT3023	0.1/0.1	1.8	20	1.22	0.30	40	<1	Adj (1.22 to 20)	20	MSOP-10E, 3x3 DFN-10
LT3027	0.1/0.1	1.8	20	1.22	0.30	40	<1	Adj (1.22 to 20)	20	MSOP-10E, 3x3 DFN-10
LT3024	0.1/0.5	1.8	20	1.22	0.30	60	<1	Adj (1.22 to 20)	20	TSSOP-16E, 3x4 DFN-12
LT3028	0.1/0.5	1.8	20	1.22	0.30	60	<1	Adj (1.22 to 20)	20	TSSOP-16E, 3x5 DFN-16
LT3029	0.5/0.5	1.9	20	1.215	0.30	100	<1	Adj (1.215 to 19.5)	20	MSOP-16E, 3x4 DFN-16
Dual Output Positive and Negative Linear Regulators										
LT3032	0.15 x 2	± 1.9	± 20	± 1.22	0.30/-0.34	55	<1	Adj, ± 5	20 / 30	3x4 DFN-14

Negative Linear Regulators

Rugged and hard to kill negative linear regulator family features:

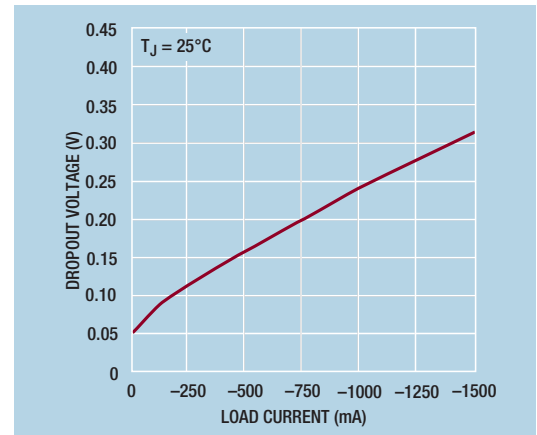
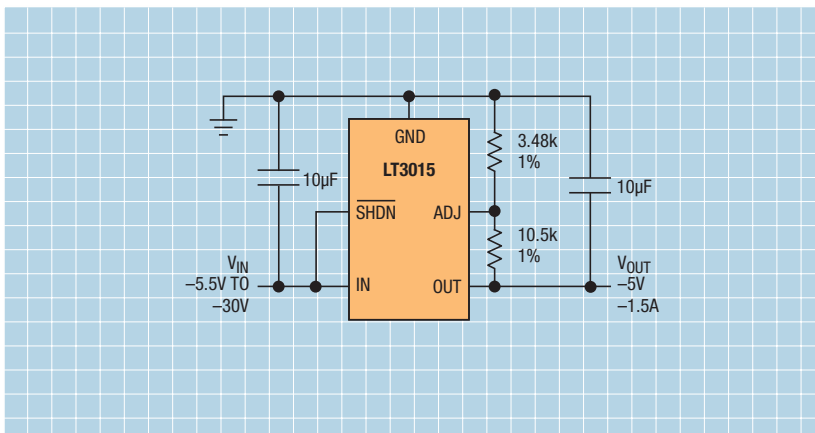
- Low Output Voltage Noise
- Wide Voltage Range
- Low Dropout Voltage
- Extensive Reverse Protection



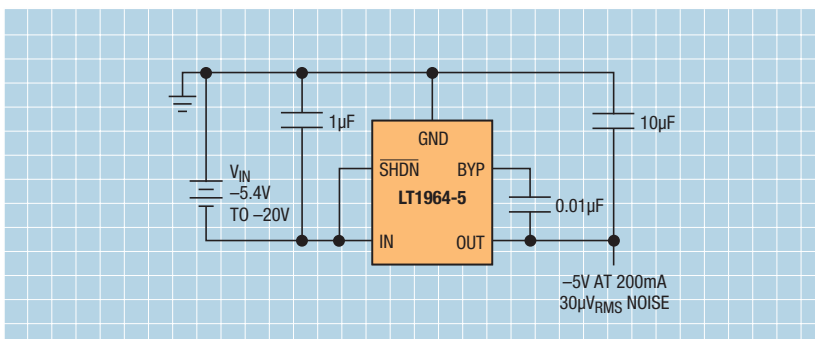
LT1964
Actual Size
Demo Board

LT3015: 1.5A, Low Noise, Negative LDO Regulator with Precision Current Limit

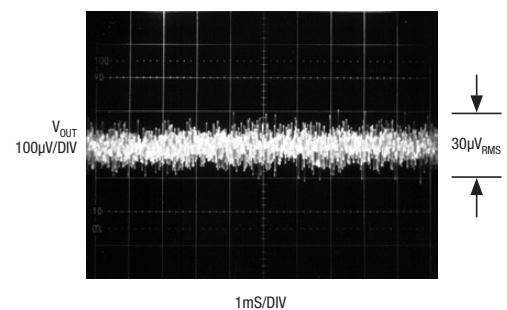
Dropout Voltage



LT1964: 200mA, Low Noise, Negative Micropower LDO Regulator



10Hz to 100kHz Output Noise



Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage (V_{OUT})	Typ I_O (Supply) (μ A)	Shutdown Current (μ A)	Output Voltage (V)	Noise (μ V _{RMS}) or % of V_{OUT}	Package
Negative Linear Regulators										
LT1964	0.2	-1.9	-20	-1.22	0.34	30	3	Adj, -5	30	TSOT-5, 3x3 DFN-8
LT1175	0.5	-4.3	-20	-3.8	0.50	45	10	Adj, -5	—	DD-Pak, SOT-223, SO-8, DIP-8
LT3015	1.5	-1.9	-30	-1.22	0.30	1.2mA	<1	Adj	60	DD-Pak, TO-220, MSOP-12E, 3x3 DFN-8
LT1185	3	-4.3	-35	-2.37	0.67	2.5mA	<1	Adj	—	DD-Pak, TO-220
Dual Output Positive and Negative Linear Regulators										
LT3032	0.15 x 2	± 1.9	± 20	± 1.22	0.30/-0.34	55	<1	Adj, ± 5	20 / 30	3x4 DFN-14

Linear Regulator Controllers

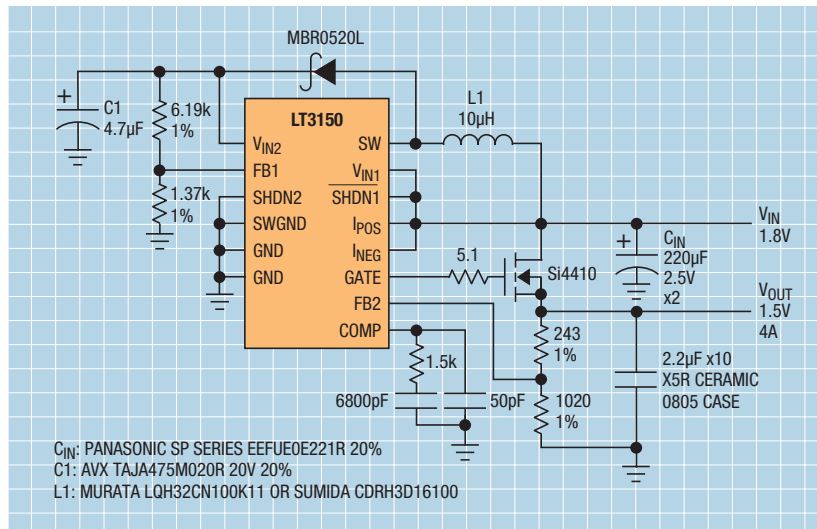
Linear regulator controller family features:

- An Off-Board Power Device
- On-Chip Power Dissipation
- Spreads Heat More Evenly on a PC Board

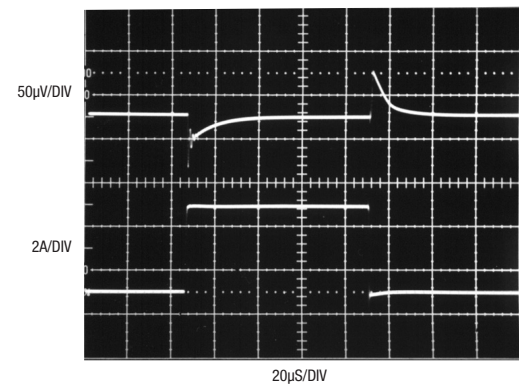


LT3150
Actual Size
Demo Board

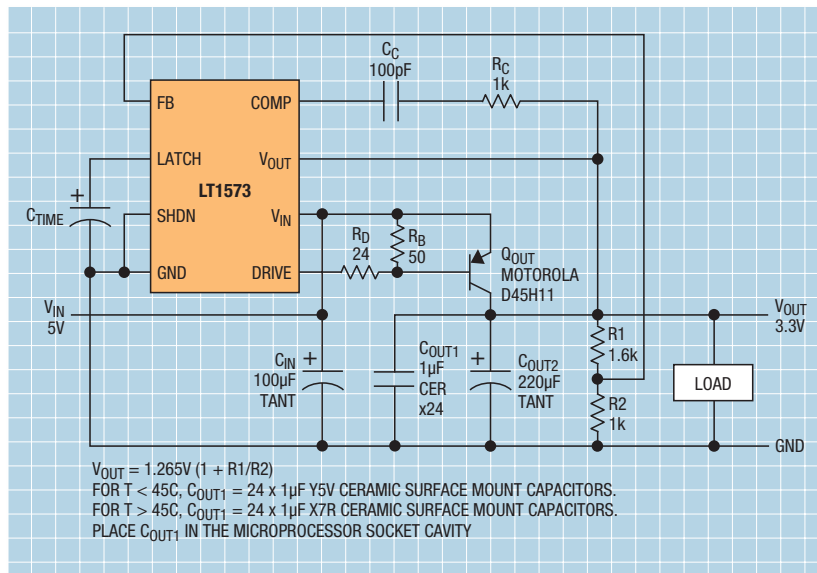
LT3150: Fast Transient Response, Low Input Voltage, LDO Controller



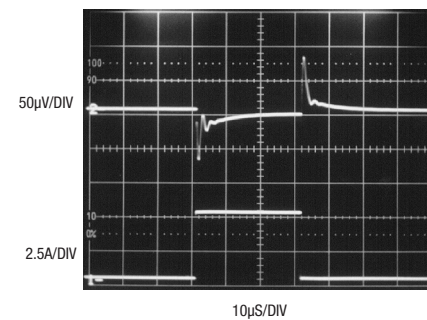
Transient Response for 0.1A to 4A Output Load Step



LT1573: Low Dropout Regulator Controller



Transient Response for 0.2A to 5A Output Load Step



Part Number	Output Current (A)	Min V_{IN} (V)	Max V_{IN} (V)	Reference Voltage (V)	Dropout Voltage ($V@I_{OUT}$)	Typ I_Q (Supply) (μA)	Shutdown Current (μA)	Output Voltage (V)	Noise (μV_{RMS}) or % of V_{OUT}	Package
Discrete Pass Element Drivers and Regulators—Very Low Dropout										
LT1123	3	n/a	30	5	—*	700	n/a	5	—	SOT-223, T0-92
LT1573	5	2.8	10	1.265	—*	1.7mA	200	Adj, 2.5, 2.8, 3.3	—	SO-8
LT3150	10*	1.4	10	1.23	0.13	12mA	25	Adj	—	SSOP-16
LT1575	—*	n/a	22	1.21	—*	12mA	n/a	Adj, 1.5, 2.8, 3.3, 5	—	DIP-8, SO-8
LT1577	—*	n/a	22	1.21	—*	12mA	n/a	Adj, 2.8, 3.3	—	SO-16

* Depends On Selection of External Pass Device † 1.25A/Channel x 4 Channels

Radiation Hardened (RH) Linear Regulators

Linear Technology manufactures a broad range of rugged radiation tolerant (rad hard) voltage regulators that are ideal for space and military applications. In addition, Linear Technology partners with several outside vendors to provide monolithic packaged and hybrid products of Linear Technology RH DICE.

Part Number	Polarity	Output Current (A)	Max. V_{IN} (V)	Reference Voltage (Adj.)	Package
Radiation Hardened (Rad Hard or RH) Linear Regulators					
RH1084	Positive	5	25	1.25V	T0-3
RH1086M	Positive	0.5/1.5	25	1.25V	Dice, T0-3, T0-39
RH117	Positive	0.5/1.5	40	1.25V	Dice, T0-3, T0-39
RH137	Negative	1.5	-30	-1.25V	Dice, T0-3, T0-39
RH1573	Positive	5	10	1.265V	Dice, Hybrids
RH1185	Negative	3	-35	-2.37V	Dice, Hybrids
RH3080	Positive	1	35	10uA	Dice, Hybrids

References

Jim Williams, “Load Transient Response Testing for Voltage Regulators,”

Linear Technology Corporation, Application Note 104, October 2006.

Jim Williams, “Minimizing Switching Regulator Residue in Linear Regulator Outputs,”

Linear Technology Corporation, Application Note 101, July 2005.

Todd Owen and Jim Williams, “Performance Verification of Low Noise, Low Dropout Regulators,”

Linear Technology Corporation, Application Note 83, March 2000.

Craig Varga, “LT1575 Ultrafast Linear Controller Makes Fast Transient Response Power Supplies,”

Linear Technology Corporation, Application Note 69, September 1996 (see Appendix A, Using PCB Material as Low Value Resistors).

Goran Perica, “Ceramic Input Capacitors Can Cause Overvoltage Transients,”

Linear Technology Corporation, Application Note 88, March 2001.

Bill Roehr, “Mounting Considerations for Power Semiconductors,” ON Semiconductor, Application Note 1040/D, May 2001.

Tom Gross, “LDO Linear Regulators Rival Switchers for Efficiency,”

Linear Technology Corporation, Linear Technology Magazine, May 2005.

LT1963A 1.5A, Low Noise, Fast Transient Response LDO Regulator data sheet, Linear Technology Corporation.

All reference materials listed above are available at www.linear.com

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